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10/521,546	02/23/2006	Anthony Thomas Harcombe	DP-308837	2117
22851	7590	02/17/2011	EXAMINER	
Delphi Technologies, Inc.			COLEMAN, KEITH A	
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P.O. Box 5052			PAPER NUMBER	
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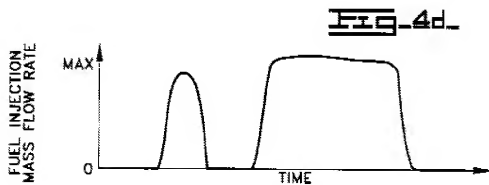
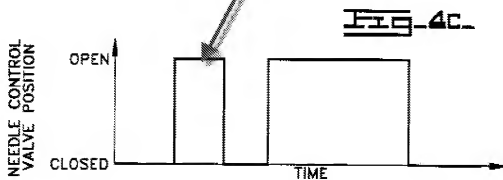
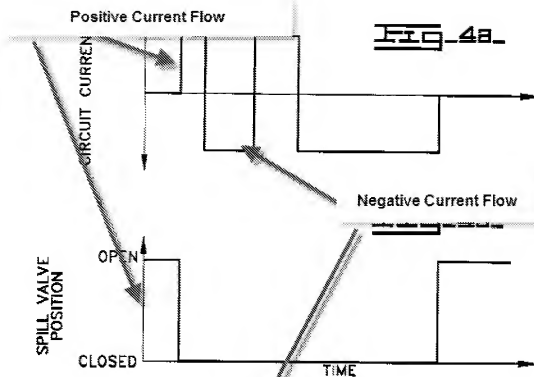
Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Examiner's Response to Arguments

Applicant's arguments filed 1/11/2011 have been fully considered but they are not persuasive.

With regards to Applicant's arguments on Pages 1 and 2 regarding the first and second drive current signal, Examiner does not concur. The Coldren et al. reference uses a positive and negative current flow to actuate the spill valve and needle valve independently. In Figure 4, the negative current flow is followed by the positive current flow as shown in Figure 4a. As discussed on Col. 1, Lines 55-60, the cited reference discusses two distinct and independent drive signals (i.e. negative and positive signal) and in Applicant's claimed language, the first drive signal is the positive current signal and the second drive signal is the negative drive signal. As such, the cited reference reads on Applicant's claimed subject matter.



Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KEITH COLEMAN whose telephone number is (571)270-3516. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Micheal Cuff can be reached on 571-292-6778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KAC
/K. C./
Examiner, Art Unit 3783

/Michael Cuff/
Supervisory Patent Examiner, Art Unit 3783